

7/12  
cc

WEMMH PTO/SB/21 (09-04)

Approved for use through 7/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/519,251
	Filing Date	December 22, 2004
	First Named Inventor	Ho Sung Kim
	Art Unit	1712
	Examiner Name	
Total Number of Pages in this Submission	Attorney Docket Number	5760-2

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement 1449 & 4 cited refs.  <input type="checkbox"/> Certified Copy of Priority Documents  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Return Receipt Postcard <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): X Assignment & Recordation Form X Decl. for Utility app
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Woodard, Emhardt, Moriarty, McNett & Henry LLP		
Signature	<i>John V. Moriarty</i>		
Printed Name	John V. Moriarty		
Date	28 JULY 05	Reg. No.	26,207

I hereby certify that this correspondence is being deposited with the United States Postal Service as **first class mail** in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 or **facsimile transmitted** to the U.S. Patent and Trademark Office on **July 28, 2005**

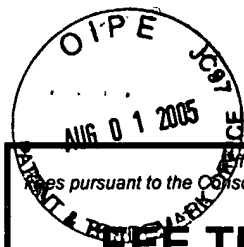
Date of Deposit or Transmission

John V. Moriarty

Name of Registered Representative

*John V. Moriarty*  
28 JULY 05

Date of Signature



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**FEE TRANSMITTAL**  
**For FY 2005**

**Complete if Known**

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)  
40.00

Application Number  
10/519,251

Filing Date  
December 22, 2004

First Named Inventor  
Ho Sung Kim

Examiner Name

Art Unit  
1712

Attorney Docket No.  
5760-2

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account number: 23-3030 Deposit Account Name: Woodard, Emhardt, Moriarty, McNett & Henry LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below

☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s)  
under 37 CFR 1.16 and 1.17

☒ Credit any overpayments.

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**  
-20 or HP      =      x      =  
HP = highest number of total claims paid for, if greater than 20

**Independent Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**  
-3 or HP      =      x      =  
HP = highest number of independent claims paid for, if greater than 3

**Multiple Dependent Claims**

**Fee (\$)**      **Fee Paid (\$)**  
x      =

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 C.F.R. 1.16(s).

**Total Sheets**      **Extra Sheets**      **Number of each additional 50 or fraction thereof**      **Fee (\$)**      **Fee Paid (\$)**  
-100      =      /50      =      (round up to a whole number)      x      =

**4. OTHER FEE(S)**

**Non-English Specification, \$130 fee (no small entity discount)**

Other (e.g., late filing surcharge): Assignment Fee

**Fee Paid (\$)**  
40.00

**SUBMITTED BY:**

Signature		Registration No.: (Attorney/Agent)	26,207	Telephone:	(317) 634-3456
Name (Print/Type):	John V. Moriarty	Date:	July 28, 2005		

**CERTIFICATE OF MAILING OR TRANSMISSION**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on:

Name (Print/Type)	John V. Moriarty
Signature	
Date	July 28, 2005

#356377

WEMMH #317053 (Rev. 7/05)



#356327

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent	)	
application of:	)	Before the Examiner
	)	
Ho Sung Kim et al.	)	
	)	
Serial N. 10/519,251	)	
	)	Group Art Unit 1712
Filed December 22, 2004	)	
	)	
TOUGHENING OF THERMOSETS	)	July 28, 2005

**NOTICE TO FILE DOCUMENTS**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please file the following documents:

- (1) Declaration for Utility or Design Patent Application;
- (2) Assignment and Assignment Recordation Fee;
- (3) Information Disclosure Statement, three foreign references, one publication

and PTO Form 1449; and

- (4) PTO Form 2038 charging the Assignment fee of \$40.00.

It is believed the application is in condition for examination and such action by the Examiner is respectfully requested.

If any additional fees are deemed necessary, please charge said fees to  
Deposit Account No. 23-3030, but not to include the payment of any issue fee.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 28, 2005.

John V. Moriarty

Name of Registered Representative

*John V. Moriarty*

Signature

28 JUL 05

Date of Signature

Respectfully submitted

By:

*John V. Moriarty*

Reg. No. 26,207

Woodard, Emhardt, Moriarty,

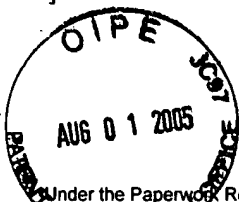
McNett & Henry LLP

Bank One Center/Tower

111 Monument Circle, Suite 3700

Indianapolis, Indiana 46204-5137

(317) 634-3456



000105-000001.JVM.318586)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration  
Submitted  
With Initial  
Filing

OR

☒ Declaration  
Submitted after  
Initial Filing  
(surcharge 37 CFR  
1.16 (e) required)

Attorney Docket Number **5760-2**First Named Inventor **Ho Sung KIM**

COMPLETE IF KNOWN

Application Number **10/519,251**Filing Date **December 22, 2004**Art Unit **1712**

Examiner Name

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TOUGHENING OF THERMOSETS**

(Title of the Invention)

the specification of which

☐ is attached hereto  
OR

☒ was filed on (MM/DD/YYYY) **12/22/2004** as United States Application Number or PCT International

Application Number **10/519,251** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119 (a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Check Only If Priority Not Claimed	Certified Copy Attached?	
				YES	NO
<b>PS3238</b>	<b>AU</b>	<b>06/27/2002</b>		<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under U35 USC 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.



000105-000001.JVM.318586)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to a collection of information unless it contains a valid OMB control number.

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below, and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (If applicable)
PCT/AU03/00821	06/27/2003	

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

☒ Customer Number

30565

Place Customer Number  
Bar Code Label Here

OR

☐ Registered practitioner(s) name/registration number listed below.

Name	Registration Number	Name	Registration Number

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information Sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number Bar Code Label 30565 OR ☐ Correspondence address below

Name			
Address			
Address			
City	State	ZIP	
Country	Telephone	Fax	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor.

Given Name (first and middle (if any))

Family Name or Surname

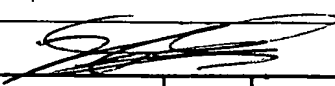
Ho Sung

KIM

Inventor's Signature					Date	11 Jan 2005		
Residence	City	New South Wales	State		Country	Australia	Citizenship	Australian
Post Office Address	148 Grinsell Street							
Post Office Address	Kotara							
City	New South Wales	State		ZIP	2289	Country	Australia	

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
PTO/SB/02A

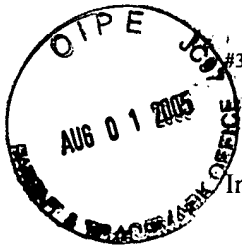
Name of Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.							
Given Name (first and middle [if any])					Family Name or Surname				
Nam Ho					KIM				
Inventor's Signature						Date		11 JAN 03 11/01/05	
Residence	City	New South Wales	State		Country	Australia	Citizenship	Australian	
Post Office Address		C/- Department of Mechanical Engineering							
Post Office Address		The University of Newcastle, Callaghan							
City	New South Wales		State		ZIP	2038	Country	Australia	

Name of Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.							
Given Name (first and middle [if any])					Family Name or Surname				
Inventor's Signature						Date			
Residence	City		State		Country		Citizenship		
Post Office Address									
Post Office Address									
City			State		ZIP		Country		

Name of Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor.							
Given Name (first and middle [if any])					Family Name or Surname				
Inventor's Signature						Date			
Residence	City		State		Country		Citizenship		
Post Office Address									
Post Office Address									
City			State		ZIP		Country		



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent	)	
application of:	)	Before the Examiner
	)	
Ho Sung Kim et al.	)	
	)	
Serial No. 10/519,251	)	
	)	Group Art Unit 1712
Filed December 22, 2004	)	
	)	
TOUGHENING OF THERMOSETS	)	July 28, 2005

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure embodied in 37 C.F.R § 1.56 and 1.98,  
Applicants disclose the following references on the attached Information Disclosure  
Citation Form. This information has not been previously submitted in this application  
by the applicants.

The filing of this information Disclosure Statement shall not be construed as  
an admission that the information cited is, or is considered to be, material to  
patentability as defined in §1.56(b) or that any information cited is prior art to the  
present invention.

This Statement is being submitted before the mailing of a First Office Action  
on the merits, therefore no fees are believed due for consideration of the enclosed

references. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 23-3030, but not to include any payment of issue fees.

Respectfully submitted

By: 

John V. Moriarty

Reg. No. 26,207

Woodard, Emhardt, Moriarty,

McNett & Henry LLP

Bank One Center/Tower

111 Monument Circle, Suite 3700

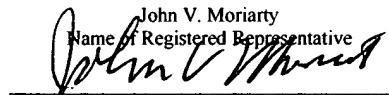
Indianapolis, Indiana 46204-5137

(317) 634-3456

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John V. Moriarty

Name of Registered Representative



Signature

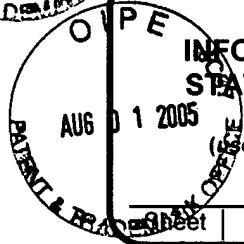


Date of Signature



[illegible]

**#356371**



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(use as many sheets as necessary)

Application Number	10/519,251
Filing Date	December 22, 2004
First Named Inventor	Ho Sung Kim
Group Art Unit	1712
Examiner Name	
Attorney Docket Number	5760-2

[illegible]Date  
Considered

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